

Each year, the scientific and technological accomplishments of our employees are recognized outside the Laboratory by prizes, awards, and front-page publicity. Some of these achievements are described here. In addition, a program of directorate-level awards was instituted to formally recognize within the Laboratory outstanding achievements by individuals and project teams. In all, more than 3,600 awards were presented in 2000.



Award-Winning Science and Technology

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Edward Teller Fellows

The first group of Edward Teller fellows was named in 2000. They are Christine Hartmann-Siantar (for leadership in the PEREGRINE program), Bill Nellis (for

discovery of metallized fluid hydrogen), Anne Happel (for the study of environmental contaminants in groundwater), and Mordy Rosen (for long-standing scientific excellence). The recipients are provided a year-long opportunity to do self-directed work for the benefit of the Laboratory.

Chicago, Intel Corp., Drexel University, and NASA.

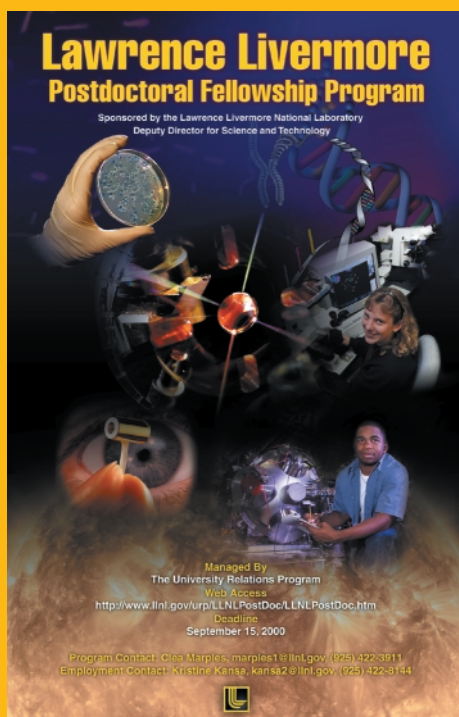
The American Physical Society named four Laboratory physicists as new fellows: Robert Cauble, James Hammer, Joseph Nilsen, and Ann Orel Woodin.

Livermore physicist John Lindl and retiree Garth Cummings were named fellows of the American Association for the Advancement of Science.

Stephen Payne and former Laboratory researcher Mike Perry were elected fellows of the Optical Society of America.

Roger Aines was named one of Top 25 Newsmakers in the construction industry by *Engineering News-Record* for work developing steam-oxygen injection technology for cleaning petroleum contaminants.

The DoD Defense Modeling and Simulation Office honored a Laboratory



Lawrence Livermore Fellowships are awarded to attract outstanding postdoctoral fellows and continue the Laboratory's tradition of breakthrough science and technology.

Many Significant Honors and Awards

Former Livermore director Herbert York received the Enrico Fermi Medal, given for a lifetime achievement in the field of nuclear energy.

The Laboratory shared the most prestigious award in high-performance computing—a Gordon Bell Prize—for a second consecutive year. Representing Livermore was Bruce Curtis of the team winning the special category for high-performance reactive fluid flow simulations using adaptive refinement on thousands of processors. Other team members were from the University of

The first Edward Teller fellowships were awarded in recognition of scientific excellence (recipients have the plaques): Christine Hartmann-Siantar, Bill Nellis, Anne Happel, and Mordy Rosen. The awards were presented by Edward Teller (front) and Deputy Director Jeff Wadsworth, Director Bruce Tarter, and Deputy Director Bob Kuckuck.

team that developed the Joint Conflict and Tactical Simulation (JCATS) computer code. Faith Shimamoto led the team, which included Mike Uzelac, Hal Brand, Greg Bowers, and Tom Kelleher.

David M. Cooper, associate director for computation and Livermore's chief information officer, was named by *Computerworld* as one of the "Premier 100 Information Technology Leaders for 2000."

The Industrial Partnerships and Commercialization Office's Christine Smith was named one of the top 100 young innovators for efforts "that paved the way for productive research collaborations among thousands of people."

The Federal Laboratory Consortium honored Livermore for success in transferring two new technologies to the commercial marketplace: PEREGRINE, which will improve cancer treatment, and LaserShotSM Peening, which will extend the life of critical metal parts such as aircraft engine fan blades.

The American Astronomical Society awarded Charles Alcock, former head of Livermore's Institute for Geophysics and Planetary Physics, the Beatrice Tinsley Prize for "innovative and original work."

Don Correll, director of Science and Technology Education, was awarded Fusion Power Associates' Special Award for Education.

Mark Herrmann, a postdoctoral fellow, received the American Physical Society's Award for Outstanding Doctoral Dissertation in Plasma Physics.

Ted Saito was named chair of the American Association of Engineering Societies.

Senior staff member Jay Davis, former associate director at Livermore, was awarded the Department of Defense Medal for Distinguished Public Service for his work as director of the Defense Threat Reduction Agency.

A DOE Project Management Award was given to the Stanford Linear Accelerator Center's B Factory project, to which

the Laboratory was a major contributor.

The Laboratory garnered an R&D 100 Award with its Waste Inspection Tomography for Non-Destructive Assay, which was developed by a team of engineers and physicists headed by Patrick Roberson and Harry Martz.

John Lindl was awarded a Fusion Power Associates Year 2000 Award for leadership and excellence in fusion engineering.

Doug Faux received a letter of commendation from the U.S. Army Space and Missile Defense Command, which cited many years of distinguished service for performing and managing analyses of theater missile defense and national missile defense interceptor lethality.

STARS

To recognize star performers and their achievements, the Laboratory created a Web site—Science and Technology Awards and Recognition System (STARS)—to track and publicize the many achievements of our scientists and engineers. For information about the Laboratory's STARS project and other awards, see its Web site at <http://stars.llnl.gov/>.



The Waste Inspection Tomography for Non-Destructive Assay won an R&D 100 Award in 2000 for providing accurate assay values of radioactive wastes inside sealed drums.